

INFORMATION REPORT

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East Germany

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proved Transformer Sheets

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1. Several experimental smeltings have been undertaken to improve the quality of transformer sheet for the construction of generators. In the period of 15 to 18 July 1952, the Biesa steel mill cast eleven transformer sheet smeltings, of which only two smeltings reached the rolling stage, because most of them showed faults resulting from excessive or insufficient silicon content. A part of these smeltings are being rolled into mill bars in Pennigsdorf and three remaining smeltings will be rolled in Biesa during August. The mill bars rolled at Biesa are presently in the Burg rolling mill and are to be rolled into plates on 25 July.
2. The results from the electric foundry 2231 with 3.6 percent silicon are now in. The watt loss amounts to 1.56 W/kg. The bonding figures vary between 3 and 10, on the average 4 to 6. These are the first experiments with an electric furnace foundry. The foundry has already produced 3,800 kg. of plate.
3. After this successful rolling of steel according to the new analysis, there only remains the task of normalizing the smelting and rolling process to insure the future production of transformer sheet of the required quality. The problem had been to manufacture transformer plate with a maximum watt loss of 1.7 and a bonding figure of 4.

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